BEFORE THE

FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON, D. C. 20554

In the Matter of)

Amendment of Section 73.202 (B))
Table of Allotments)
FM Broadcast Stations)
CLE ELUM, WASHINGTON)

TO: The Chief, Allocations Branch

Proposal

1. Brian J. Lord hereby respectfully requests the assignment of FM Channel 229A to the City of Cle Elum, Washington as its first local service and first full-time FM service.

2. If this channel assignment is approved, the table of allotments would be changed to read as follows:

CITY	EXISTING CHANNEL	PROPOSED CHANNEL
CLE ELUM, WA.	NONE	229A

3. An engineering statement supporting Brian J. Lord's proposal showing compliance with the FCC's spacing requirements is attached. Canadian concurrence for the allotment to Cle Elum must be obtained as it is within 320 kilometers (200 miles) from the U.S.-Canadian border.

4. Brian J. Lord hereby states his intention to apply for a construction permit for Channel 229A if it is allotted to Cle Elum, and, if granted, to build and operate the station on that channel.

5. Brian J. Lord states that to the best of his knowledge all of the above statements are true.

Wherefore, in light of the foregoing, Brian J. Lord respectfully requests that the Commission amend the FM Table of Allotments to assign Channel 229A to the City of Cle Elum, Washington.

Please address any communication regarding this Petition to:

Brian J. Lord
3824 SW Myrtle St.
Seattle, Washington 98126-3210
Phone 206-932-4839

Respectfully submitted

By _____
Brian J. Lord

October 3, 1996

ENGINEERING EXHIBITS
IN SUPPORT FOR
ALLOTMENT OF FM CHANNEL 229A
TO CLE ELUM, WASHINGTON

Mr. BRIAN J. LORD
(Petitoner)

KENNETH WILLIAMS, Jr., P.E.
Consulting Engineer
P.O. BOX 7703
Tacoma, Washington 98407
(206) 756-7544 FAX (206) 752-5145

ENGINEERING STATEMENT IN SUPPORT OF A PROPOSAL TO ADD FM CHANNEL 229A TO CLE ELUM, WASHINGTON

Mr. BRIAN J. LORD, (Petitioner)

The following Engineering data supports a request of Mr. Brian J. Lord to amend the FM table of Allotment in Section 73.202(b) of the Commission's Rules. We are requesting channel 229A be added to the FM Table of Allotments as a drop in channel, to Cle Elum, Washington.

The addition of FM channel 229A may be made as a drop in channel, without other channels being moved, deleted or changed.

All distance figures used in this report are metric and calculations were made using methods specified in Section 73.208 of the FCC Rules. All distances were in reference to the restricted site coordinates, Southeast of Cle Elum, Washington.

A complete class A channel study is shown as attached Figure 1 and Figure 2. All channel spacings in these figures are within the Commission's current minimum separation requirements at the petitioner's proposed transmitter and antenna site.

With the use of a restricted site Southeast of Cle Elum, Washington an Allotment of channel 229A may be made to Cle Elum, Washington.1/

The site would place Cle Elum, within the 70 DBU contour, as shown in Figure 5, and will not cause short spacing to existing or proposed stations in the U.S. or Canada.

1/ Restricted Site Coordinates: N. 47°07'36" W. 120°50'41"

ENGINEERING STATEMENT Cont.

The proposed service contours of 70 and 60 DBU, were drawn by a plotter driven with the tabulated data shown in Figure 6. Average terrain for the site was determined by the NGDC 30-second data base for the Coordinates of the restricted site. The data shown on Figure 3 are the values of antenna center above mean sea level, average terrain of site and station ERP which were used to construct the coverage map of Figure 5.

Attached Figure 4, shows the area to which the allotment could be made without short spacing to other stations. For the purpose of this petition a ground elevation of 3200 feet (975 meters) was used for the site.

Based in the data at hand it appears channel 229A may be allotted to Cle Elum, Washington that community's first local FM service.

ENGINEERS CERTIFICATION

STATE OF WASHINGTON)
) ss
COUNTY OF PIERCE)

Kenneth Williams, Jr., P.E., being duly sworn on his oath, states that he is an experienced and qualified Radio Engineer, licensed as a Registered Professional Electrical Engineer in the States of Washington and Oregon and as such maintains an office for the practice of Electrical and Communications Engineering. Having been in continuous practice as a Consulting Engineer for over 31 years, his qualifications are thus a matter of record with the Federal Communications Commission and the Federal Aviation Administration.

The Engineering data herein, was prepared by him or under his direct supervision and all representation of fact contained in said report is based on affiants measurements, information and belief and he believes all such statements herein to be true and correct.

Kenneth Williams

(Kenneth Williams, Jr., P.E.)
(affiant)

ENGINEERS STATE SEAL

EXPIRES: 7-15-97

Sworn to before me, Lou Ann Jean Williams a Notary Public of Tacoma, Washington, on this 1st day of October, 1996.

My Commission Expires April 4, 1999.

NOTARY STATE SEAL:

LOU ANN JEAN WILLIAMS
NOTARY PUBLIC
STATE OF WASHINGTON
COMMISSION EXPIRES
APRIL 4, 1999

BRIAN J. LORD - CLE ELUM, WA - CHANNEL 229A - EXHIBIT No. 1

CLASS A FM CHANNEL STUDY
** CHANNEL 229 **

REFERENCE SITE - CLE ELUM, WA N. 47 7 36 W. 120 50 41

Channel	Data	Call	City	State	File No.	Az-Deg	D-Km.	R-Km.	[Km.MARGIN]
226A	FA		Princeton	BC		4.8	261.4	54	207.4 Clear
227C	FM LIC	KUBE	Seattle	WA	BLH831004AF	295.9	106.1	95	11.1 Clear
227A	FM	NEW	Christina Lake	BC		43.5	288.2	62	226.2 Clear
227C1	FM LIC	KTWY	Walla Walla	WA	BLH911202KA	121.7	240.6	75	165.6 Clear
228A	FM LIC	KOZIFM	Chelan	WA	BMLH910204KE	42.3	109.0	72	37.0 Clear
229A	FM APP	NEW	Pasco	WA	BPH960111MU	132.0	173.5	115	58.5 Clear
229A	FA VAC		Pasco	WA		130.8	164.4	115	49.4 Clear
229C	FM LIC	KPDQFM	Portland	OR	BLH900828KD	218.0	231.1	226	5.1 Clear
229A	FM APP	NEW	Pasco	WA	BPH960111AW	132.2	170.6	115	55.6 Clear
229C	FM LIC	KDRKFM	Spokane	WA	BLH7372	80.1	288.3	226	62.3 Clear
229B	FM	CBTPFM	Penticton	BC		18.5	281.6	223	58.6 Clear
229C	FM	CJJRFM	Vancouver	BC		327.8	293.3	259	34.3 Clear
230C2	FM CP	KTAC	Ephrata	WA	BPH930721MC	76.1	106.3	106	0.3 Clear
230A	FM APP	KTAC	Ephrata	WA	BMPH951120IQ	77.4	98.7	72	26.7 Clear
230A	FA		Port Renfrew	BC		300.7	309.5	113	196.5 Clear
231C	FM LIC	KCLKFM	Clarkston	WA	BLH831227AC	104.6	295.2	95	200.2 Clear
231C	FM LIC	KMPSFM	Seattle	WA	BLH890912KB	296.2	95.1	95	0.1 Clear
231A	FM	CBYRFM	Rock Creek	BC		33.0	253.7	62	191.7 Clear
231A	FA VAC		Tillamook	OR		231.9	300.6	31	269.6 Clear
232A	FM LIC	KKEE	Long Beach	WA	BLH880401KC	249.8	261.2	31	230.2 Clear

Current Rules Spacing

>>>>>> END OF CHANNEL 229 SEARCH <<<<<<

KENNETH WILLIAMS, JR. P.E. - Consulting Engineer - Tacoma, WA

BRIAN J. LORD - CLE ELUM, WA - CHANNEL 229A - EXHIBIT No. 2

DISTANCE TO CHANNELS 10.6-10.8 mHz SPACINGS

FM WITHIN 200 km
** CHANNELS 282 TO 283 **

REFERENCE SITE - CLE ELUM, WA N. 47 7 36 W. 120 50 41

CHANNEL & CLASS	CALL STATUS	Owner/Applicant CITY STATE	FILE No.	(m) Horz->AHAAT/ERP/AMSL Vert->AHAAT/ERP/AMSL	(kw)	(m)	LATITUDE LONGITUDE	(deg) AZIMUTH	(km) DIST
104.3 Mhz.		John P. Andrist							
282 C2	NEW	Omak		299	3.5	917	48-19-12	36.4	164.9
FM	APP	WA	BPH 950103MA	299	3.5	917	119-32-18		
104.3 Mhz.		Northcentral Broadcasting Company							
282 C2	NEW	Omak		150	50.0	930	48-19-35	32.7	158.5
FM	APP	WA	BPH 950105MD	150	50.0	930	119-42-10		
104.3 Mhz.									
282 C2		Omak					48-15-44	37.9	160.1
FA	VACA	WA					119-31-58		
104.5 Mhz.		Mercer Island School District #400							
283 D	KMIH	Mercer Island		71	.014	134	47-34-19	295.6	114.7
FM	LIC	WA	BLED 930401KA				122-12-55		
104.5 Mhz.		Mid Columbia Broadcasting, Inc.							
283 C	KMCQ	The Dalles		610	100.	998	45-42-41	187.6	158.7
FM	LIC	OR	BLH 850916KS	610	100.	998	121- 7- 7		

>> END OF FM WITHIN 200 km STUDY <<

TERRAIN ELEVATION INFORMATION

NGDC 30-SECOND DATA
FROM SITE AT:
N. 47° 07' 36"
W. 120° 50' 41"

Azimuth in Deg.	Distance in km.	Elevation in meters
.0	16	718.4
45.0	16	783.4
90.0	16	665.5
135.0	16	794.2
180.0	16	1179.5
225.0	16	1360.6
270.0	16	1139.4
315.0	16	659.0

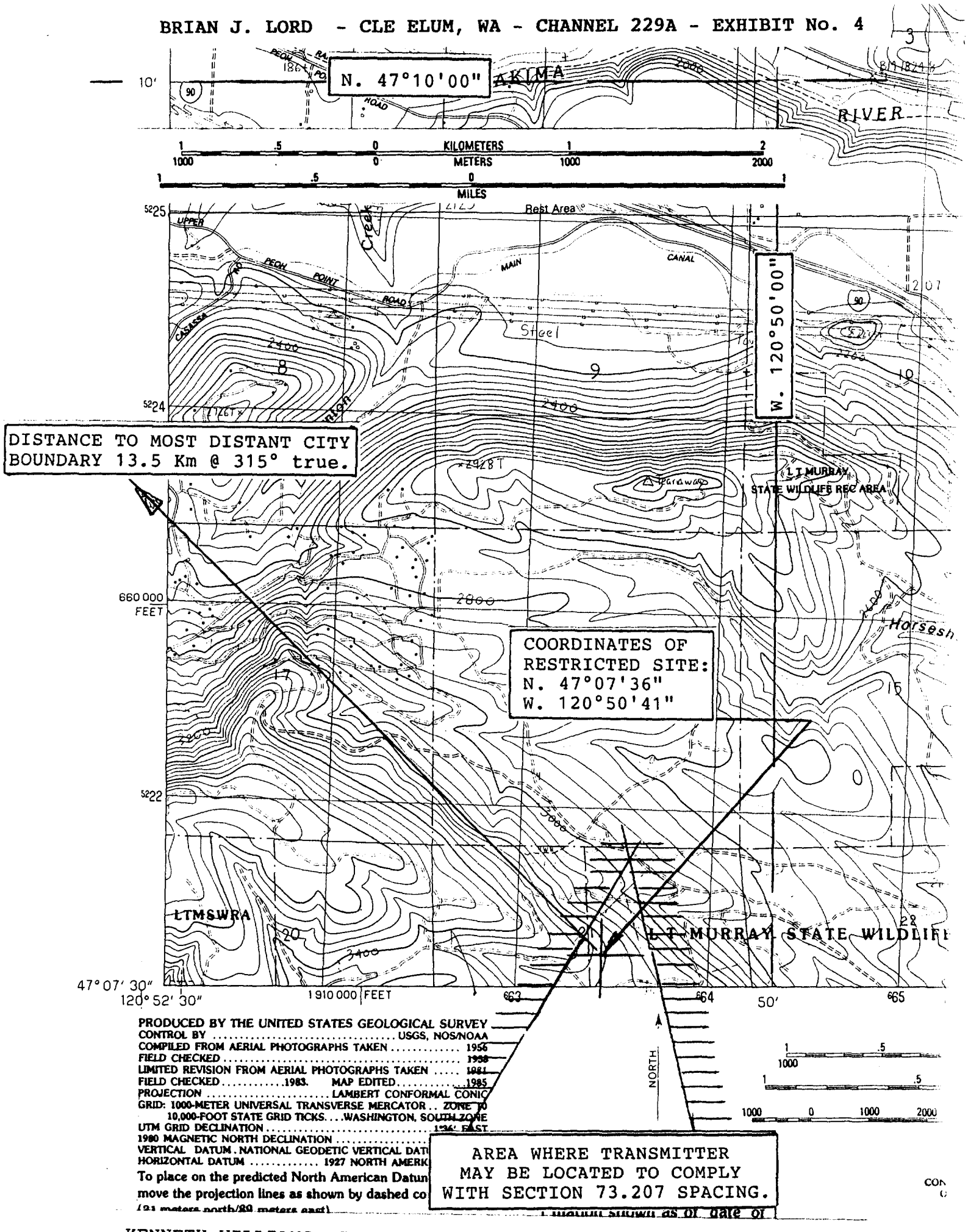
Eight Radial (3-16 km) Average 912.5 m.
City radial is 315°

Service Contours are based on the following:

Antenna Center AMSL	1064 meters
Average Terrain	912 meters
Antenna HAAT	152 meters
Station ERP in DBK	3.1 DBK (2 KW)

Map of coverage shown as figure 5.
Tabulated coverage shown as figure 6.

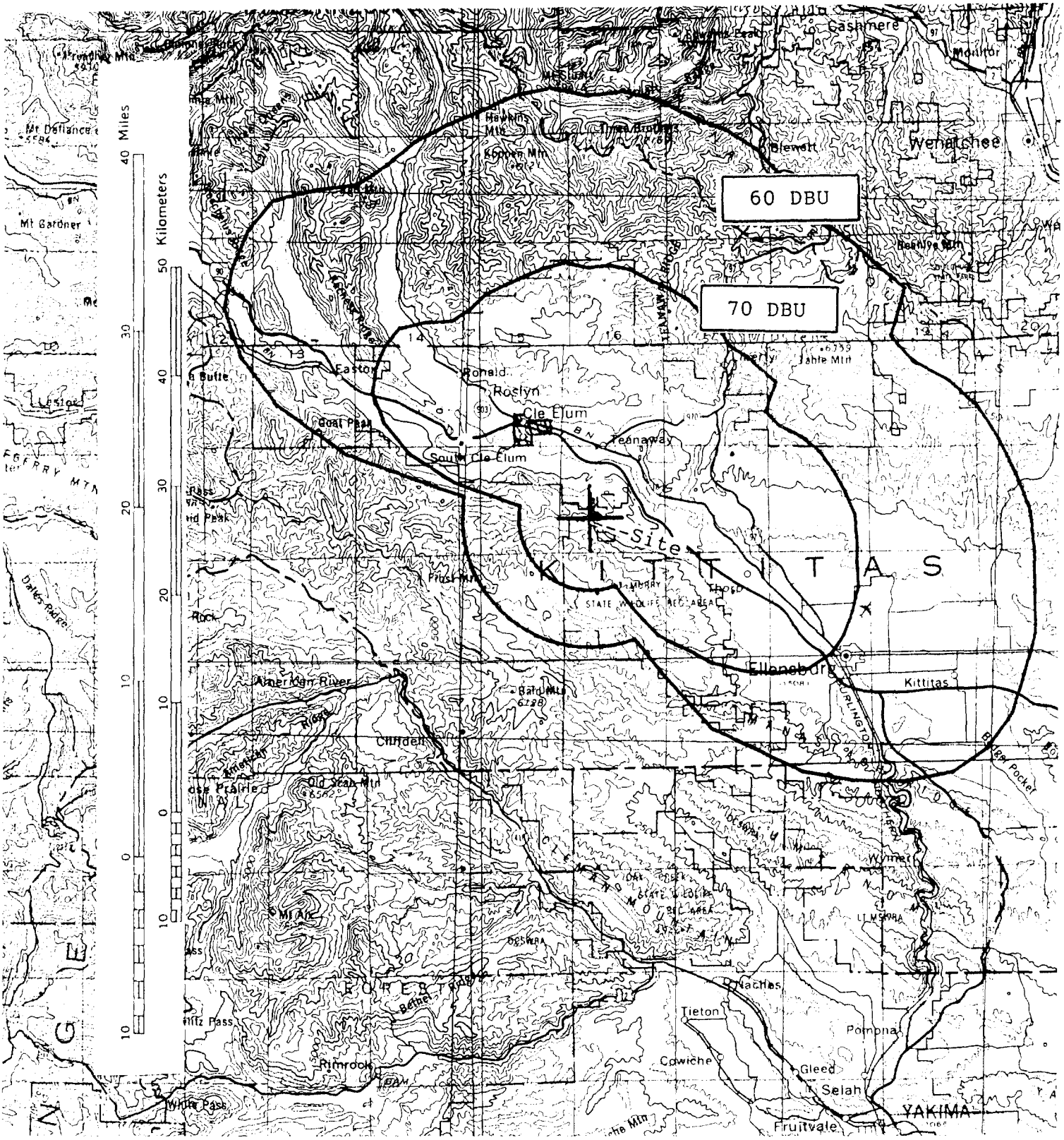
BRIAN J. LORD - CLE ELUM, WA - CHANNEL 229A - EXHIBIT No. 4



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY ..... USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1956
FIELD CHECKED 1958
LIMITED REVISION FROM AERIAL PHOTOGRAPHS TAKEN 1981
FIELD CHECKED .....1983. MAP EDITED 1985
PROJECTION ..... LAMBERT CONFORMAL CONIC
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR .. ZONE 10
10,000-FOOT STATE GRID TICKS....WASHINGTON, SOUTH ZONE
UTM GRID DECLINATION ..... 1°36' EAST
1980 MAGNETIC NORTH DECLINATION .....
VERTICAL DATUM . NATIONAL GEODETIC VERTICAL DATUM
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN
To place on the predicted North American Datum
move the projection lines as shown by dashed co
(21 meters north/89 meters east)

KENNETH WILLIAMS, JR. P.E. - Consulting Engineer - Tacoma, WA

BRIAN J. LORD - CLE ELUM, WA - CHANNEL 229A - EXHIBIT No. 5



KENNETH WILLIAMS, JR. P.E. - Consulting Engineer - Tacoma, WA

BRIAN J. LORD - CLE ELUM, WA - CHANNEL 229A - EXHIBIT No. 6

TABULATION OF CONTOUR DATA
USED TO PREPARE EXHIBIT No.5

Coordinates: N 47 7 36 W 120 50 41
F(50,50) Curves Number of Contours: 2

AZ (degs)	HAAT (m)	ERP (dBk)	CONTOUR LEVELS (dBu): 70.0	60.0	AZ (degs)	HAAT (m)	ERP (dBk)	CONTOUR LEVELS 70.0	60.0
.0	346	3.00	23.1	38.8	185.0	-158	3.00	6.7	12.0
5.0	355	3.00	23.4	39.3	190.0	-181	3.00	6.7	12.0
10.0	348	3.00	23.2	38.9	195.0	-211	3.00	6.7	12.0
15.0	331	3.00	22.6	38.0	200.0	-234	3.00	6.7	12.0
20.0	328	3.00	22.4	37.9	205.0	-264	3.00	6.7	12.0
25.0	317	3.00	22.1	37.3	210.0	-281	3.00	6.7	12.0
30.0	298	3.00	21.4	36.2	215.0	-284	3.00	6.7	12.0
35.0	292	3.00	21.2	35.9	220.0	-289	3.00	6.7	12.0
40.0	273	3.00	20.5	34.9	225.0	-297	3.00	6.7	12.0
45.0	281	3.00	20.8	35.3	230.0	-287	3.00	6.7	12.0
50.0	287	3.00	21.0	35.6	235.0	-283	3.00	6.7	12.0
55.0	300	3.00	21.4	36.3	240.0	-233	3.00	6.7	12.0
60.0	237	3.00	19.1	32.8	245.0	-153	3.00	6.7	12.0
65.0	250	3.00	19.6	33.5	250.0	-46	3.00	6.7	12.0
70.0	292	3.00	21.2	35.9	255.0	-13	3.00	6.7	12.0
75.0	327	3.00	22.4	37.8	260.0	-54	3.00	6.7	12.0
80.0	352	3.00	23.3	39.1	265.0	-55	3.00	6.7	12.0
85.0	375	3.00	24.1	40.3	270.0	-75	3.00	6.7	12.0
90.0	399	3.00	24.9	41.5	275.0	-149	3.00	6.7	12.0
95.0	409	3.00	25.2	42.0	280.0	1	3.00	6.7	12.0
100.0	420	3.00	25.5	42.5	285.0	115	3.00	13.2	23.6
105.0	438	3.00	26.1	43.4	290.0	213	3.00	18.1	31.2
110.0	441	3.00	26.2	43.5	295.0	295	3.00	21.3	36.1
115.0	447	3.00	26.3	43.8	300.0	359	3.00	23.5	39.5
120.0	436	3.00	26.0	43.2	305.0	385	3.00	24.4	40.8
125.0	401	3.00	24.9	41.6	310.0	403	3.00	25.0	41.7
130.0	338	3.00	22.8	38.4	315.0	405	3.00	25.1	41.8
135.0	270	3.00	20.4	34.7	320.0	366	3.00	23.8	39.8
140.0	208	3.00	17.8	30.9	325.0	327	3.00	22.4	37.8
145.0	142	3.00	14.7	26.0	330.0	327	3.00	22.4	37.8
150.0	106	3.00	12.7	22.7	335.0	341	3.00	22.9	38.5
155.0	56	3.00	9.2	16.3	340.0	344	3.00	23.0	38.7
160.0	19	3.00	6.7	12.0	345.0	348	3.00	23.2	38.9
165.0	3	3.00	6.7	12.0	350.0	359	3.00	23.5	39.5
170.0	-47	3.00	6.7	12.0	355.0	364	3.00	23.7	39.7
175.0	-82	3.00	6.7	12.0	360.0	346	3.00	23.1	38.8
180.0	-115	3.00	6.7	12.0					

KENNETH WILLIAMS, JR. P.E. - Consulting Engineer - Tacoma, WA